

SO0490 Sodium molybdate dihydrate, ExpertQ®, for analysis, ACS, Reag. Ph Eur

assay (permanganometric) 99,5 - 103,0 %
 identity (IR-spectrum) passes test
 insoluble in water max. 0,005 %
 pH (5 %, H₂O) 7,0 - 10,5
 chlorides (Cl) max. 0,005 %
 nitrates (NO₃) max. 0,005 %

phosphates (as PO₄) max. 5 ppm
 sulfates (SO₄) max. 0,005 %
 ammonium (NH₄) max. 0,001 %
 heavy metals (as Pb) max. 5 ppm
 iron (Fe) max. 0,001 %
 lead (Pb) max. 0,001 %

ART. NO.	VOLUME	CONTAINER
SO04900100	100 g	
SO04900250	250 g	
SO04901000	1 kg	

SODIUM NITRATE

- Synonyms: Nitric acid sodium salt
- NaNO₃
- M = 84,99 g/mol
- CAS [7631-99-4]
- EINECS-No.: 231-554-3
- Solub. in water: (20 °C): soluble
- Melting point: 308 °C

- LD 50 (oral, rat): 1267 mg/kg
- ADR: 5.1 O2 III UN 1498
- IMDG: 5.1 III UN 1498
- IATA/ICAO: 5.1 III UN 1498
- GHS-signal word: Danger
- GHS-H sentences: H272 - H319

- GHS-P sentences: P221 - P210 - P220 - P280 - P305 + P351 + P338 - P501a
- Tariff number: 3102 50 00 89
- Applications: analytical chemistry, laboratory reagent, oxidizing agent, in food industry (E 251), preservative agent.

SO0500 Sodium nitrate, EssentQ®



assay (acidimetric) min. 99 %
 insoluble in water max. 0,025 %
 pH (5 %, H₂O) 5,5 - 8,3
 chlorides (Cl) max. 0,025 %
 phosphates (as PO₄) max. 0,001 %
 sulfates (SO₄) max. 0,01 %
 ammonium (NH₄) max. 0,005 %
 arsenic (As) max. 2 ppm

calcium (Ca) max. 0,005 %
 copper (Cu) max. 0,001 %
 heavy metals (as Pb) max. 0,002 %
 iron (Fe) max. 0,001 %
 lead (Pb) max. 0,001 %
 magnesium (Mg) max. 0,005 %
 nickel (Ni) max. 0,001 %
 loss on drying (105 °C) max. 2 %

ART. NO.	VOLUME	CONTAINER
SO05000500	500 g	
SO05001000	1 kg	
SO0500005P	5 kg	
SO0500025P	25 kg	

SO0501 Sodium nitrate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (acidimetric) min. 99,5 %
 identity (IR-spectrum) passes test
 insoluble in water max. 0,005 %
 pH (5 %, H₂O, 25 °C) 5,5 - 8,0
 chlorides (Cl) max. 5 ppm
 iodates (IO₃) max. 5 ppm
 nitrites (NO₂) max. 0,001 %
 phosphates (as PO₄) max. 5 ppm

sulfates (SO₄) max. 0,003 %
 ammonium (NH₄) max. 0,002 %
 calcium (Ca) max. 0,002 %
 heavy metals max. 5 ppm
 iron (Fe) max. 3 ppm
 magnesium (Mg) max. 0,002 %
 potassium (K) max. 0,01 %

ART. NO.	VOLUME	CONTAINER
SO05010500	500 g	
SO05011000	1 kg	
SO0501005P	5 kg	

SODIUM NITRATE, VOLUMETRIC SOLUTIONS

SO0505 Sodium nitrate, solution 1 mol/l



- NaNO₃
- M = 84,99 g/mol
- CAS [7631-99-4]
- EINECS-No.: 231-554-3
- Density: 1,0 g/cm³
- LD 50 (oral, rat): 1267 mg/kg (pure substance)
- GHS-signal word: Danger
- GHS-H sentences: H272

- GHS-P sentences: P221 - P210 - P220 - P280 - P370 + P378a - P501a
- Tariff number: 3102 50 00 89
- Applications: analytical chemistry, laboratory reagent, oxidizing agent.

1 ml = 0,08499 g NaNO₃

ART. NO.	VOLUME	CONTAINER
SO05051000	1 l	

SODIUM NITRITE

- NaNO₂
- M = 69,00 g/mol
- CAS [7632-00-0]
- EINECS-No.: 231-555-9
- Solub. in water: (20 °C): soluble
- Melting point: 280 °C (decomposes)
- Ignition temp.: 489 °C

- LD 50 (oral, rat): 85 mg/kg
- EC-Index-No.: 007-010-00-4
- ADR: 5.1 OT2 III UN 1500
- IMDG: 5.1 III UN 1500
- IATA/ICAO: 5.1 III UN 1500
- GHS-signal word: Danger
- GHS-H sentences: H301 - H272 - H400

- GHS-P sentences: P221 - P210 - P220 - P321 - P405 - P501a
- Tariff number: 2834 10 00 00
- Applications: analytical chemistry, laboratory reagent, oxidizing agent, synthesis of organic products, manufacture of dyes (in the textile industry), photography, in food industry.